

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 04-141371

(43)Date of publication of application : 14.05.1992

(51)Int.Cl.

B24C 3/22

B24C 1/00

B24C 11/00

(21)Application number : 02-263944

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(22)Date of filing : 03.10.1990

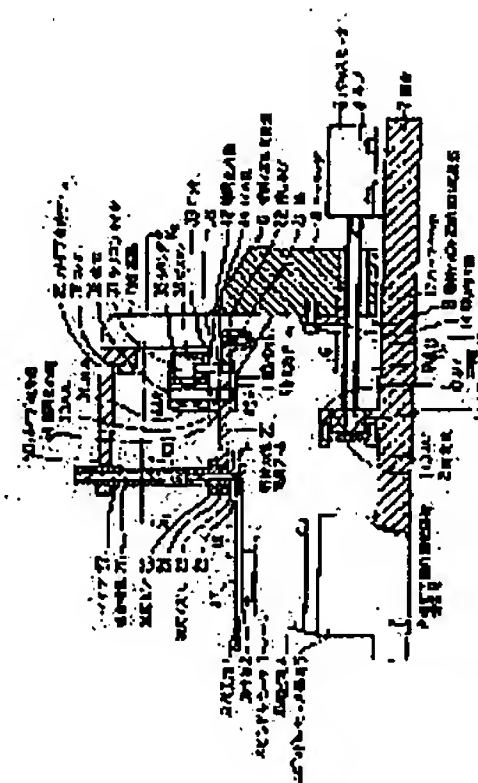
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(54) SURFACE TREATMENT WORKING METHOD FOR WORK AND DEVICE THEREFOR

(57)Abstract:

PURPOSE: To make the surface of a work capable of a super precision processing in an uniform surface shape and surfacing property, by rotating a work in a constant speed, feeding an injection nozzle in the diameter direction at a constant speed, and injecting the mixed jet of a fine particle with the specified injection pressure to the surface of the work.

CONSTITUTION: A work 1 is rotated at a constant speed, faced to or separated from this surface of the work 1, and a solid gas, solid liquid or the mixed jet of the solid gas and liquid including a fine particle is injected at high speed to the surface of the work 1, with a constant injection pressure, by an injection nozzle 25 which moves at a constant speed, toward the inner periphery from the rotating outer periphery of the work 1, or toward the outer periphery from the rotating inner periphery, at facing time. Consequently, the surface of the work 1 is ground, polished or a thin film is formed.



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[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]